

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the Application:

LISTING OF CLAIMS:

1. (Original) A method in a browser for providing an audibly controlled user interface for a limited communication device, the steps comprising:
  - receiving speech input information over an interface connection capable of two-way communication with the limited communication device;
  - generating at least one key chunk of information based on the speech input information;
  - generating an audio output developed from a response document based on the at least one key chunk of information; and
  - providing the audio output over the interface connection to the limited communication device in response to generating the audio output.
2. (Original) The method of claim 1, wherein the step of generating the audio output comprises:
  - providing the at least one key chunk of information to a web application; and
  - receiving the response document from the web application, the response document developed from an application-defining document accessed in response to the at least one key chunk of information provided to the web application.
3. (Original) The method of claim 1, wherein
  - the step of receiving the speech input information comprises receiving the speech input information over a telephony connection to the limited communication device; and

the step of providing the audio output over the interface connection comprises providing the audio output over the telephony connection.

4. (Original) The method of claim 1, wherein the step of generating the at least one key chunk of information comprises generating the at least one key chunk of information by an automatic speech recognition module deriving the at least one key chunk of information from the speech input information.
5. (Original) The method of claim 1, wherein the step of receiving the speech input information comprises receiving an input indicating an initial access to the limited communication device.
6. (Original) The method of claim 1, wherein the step of receiving the speech input information comprises receiving at least one of a command for storing data, a command for retrieving data, and a command for placing an outbound telephony call.
7. (Original) A processor-based system for providing an audibly controlled interface for a limited communication device, the processor-based system comprising:
  - an interface connection capable of two-way communication with the limited communication device; and
  - a proxy browser in communication with the interface connection;wherein
  - the interface connection receives speech input information and provides the speech input information to the proxy browser;
  - the proxy browser generates at least one key chunk of information based on the speech input information;

the proxy browser generates an audio output developed from a response document based on the at least one key chunk of information and provides the audio output to the interface connection; and

the interface connection provides the audio output to the limited communication device.

8. (Original) The system of claim 7, wherein the proxy browser provides the at least one key chunk of information to a web application over a network; and receives a response document over the network from the web application, the response document developed from an application-defining document accessed in response to the at least one key chunk of information provided to the web application.
9. (Original) The system of claim 7, wherein the interface connection is a telephony connection.
10. (Original) The system of claim 7, further comprising an automatic speech recognition module wherein the automatic speech recognition module derives the at least one key chunk of information from the speech input information received over the interface connection.
11. (Original) The system of claim 7, wherein the speech input information comprises an input indicating an initial access to the limited communication device.

12. (Original) The system of claim 7, wherein the speech input information comprises at least one of a command for storing data, a command for retrieving data, and a command for placing an outbound telephony call.
13. (Original) A processor-based system for providing an audibly controlled interface for a limited communication device, the processor-based system comprising:
  - an interface connection capable of two-way communication with the limited communication device; and
  - means for generating an audio output, the generating means in communication with the interface connection, wherein
    - the interface connection receives speech input information and provides the speech input information to the generating means;
    - the generating means generates at least one key chunk of information based on the speech input information;
    - the generating means generates an audio output developed from a response document based on the at least one key chunk of information and provides the audio output to the interface connection; and
    - the interface connection provides the audio output to the limited communication device.
14. (Original) A computer program product that includes a computer readable medium having instructions stored thereon for providing an audibly controlled interface for a limited communication device, such that the instructions, when carried out by a computer, cause the computer to perform the steps of:
  - receiving speech input information over an interface connection capable of two-way communication with the limited communication device;

generating at least one key chunk of information based on the speech input information;

generating an audio output developed from a response document based on the at least one key chunk of information; and

providing the audio output over the interface connection to the limited communication device in response to generating the audio output.

15. (Original) The computer program product of claim 14, wherein the step of generating the audio output comprises:

providing the at least one key chunk of information to a web application; and

receiving the response document from the web application, the response document developed from an application-defining document accessed in response to the at least one key chunk of information provided to the web application.

16. (Original) A computer program propagated signal product embodied in a propagated medium, having instructions for providing an audibly controlled interface for a limited communication, such that the instructions, when carried out by a computer, cause the computer to perform the steps of:

receiving speech input information over an interface connection capable of two-way communication with the limited communication device;

generating at least one key chunk of information based on the speech input information;

generating an audio output developed from a response document based on the at least one key chunk of information; and

providing the audio output over the interface connection to the limited communication device in response to generating the audio output.

17. (Original) The computer program propagated signal product of claim 16, wherein the step of generating the audio output comprises:
  - providing the at least one key chunk of information to a web application; and
  - receiving the response document from the web application, the response document developed from an application-defining document accessed in response to the at least one key chunk of information provided to the web application.
18. (Original) A method in a server for providing an audibly controlled user interface for requesting call services over a network, the steps comprising:
  - accessing an application defining tagged document in response to a request received over the network;
  - providing a response suitable for audio output based on the application defining tagged document and the request;
  - receiving at least one key chunk of information over the network based on speech input information based on the response; and
  - initiating a call service in response to receiving the at least one key chunk of information.
19. (Original) The method of claim 18, wherein:
  - the step of accessing the application defining tagged document comprises accessing an extensible markup language document; and
  - the step of providing the response suitable for audio output based on the application defining tagged document comprises generating the response based on the extensible markup language document.

20. (Original) The method of claim 18, wherein the step of accessing the application defining tagged document in response to the request received over the network comprises receiving an input indicating an initial access to a limited communication device.
21. (Original) The method of claim 18, wherein the step of accessing the application defining tagged document comprises receiving the request from a proxy browser based on an interface connection between the proxy browser and a limited communication device.
22. (Original) The method of claim 18, further comprising the step of providing a modified application defining tagged document based on dynamically changing modifiable responses in the application defining tagged document in response to the request.
23. (Original) The method of claim 18, further comprising the steps of receiving a modification input and providing a modified application defining tagged document based on dynamically changing modifiable responses in the application defining tagged document based on the modification input.
24. (Original) A processor-based system for providing an audibly controlled interface over a network, the system comprising:
  - a document database configured for storing a plurality of application defining tagged documents; and
  - an executable resource in communication with the document database and the network, wherein the executable resource

accesses an application defining tagged document in response to a request received over the network;  
provides a response suitable for audio output based on the application defining tagged document and the request;  
receives at least one key chunk of information over the network based on speech input information based on the response;  
and  
initiates a call service in response to receiving the at least one key chunk of information.

25. (Original) The system of claim 24, wherein  
the application defining tagged document is an extensible markup language document; and  
the executable resource generates the response based on the extensible markup language document.
26. (Original) The system of claim 24, wherein the request comprises an input indicating an initial access to a limited communication device.
27. (Original) The system of claim 24, wherein the executable resource receives the request from a proxy browser based on an interface connection between the proxy browser and a limited communication device.
28. (Original) The system of claim 24, wherein the executable resource dynamically changes modifiable responses in the application defining tagged document in response to the request to provide a modified application defining tagged document.



29. (Original) The system of claim 24, wherein the executable resource receives a modification input and the executable resource dynamically changes modifiable responses in the tagged document in response to the modification input to provide a modified tagged document.
30. (Original) A processor-based system for providing an audibly controlled interface over a network, the system comprising:
- a document database configured for storing a plurality of application defining tagged documents; and
  - means for producing a response suitable for audio output, the producing means in communication with the document database and the network, wherein the producing means
    - accesses an application defining tagged document in response to a request received over the network;
    - provides a response suitable for audio output based on the application defining tagged document and the request;
    - receives at least one key chunk of information over the network based on speech input information based on the response;
    - and
    - initiates a call service in response to receiving the at least one key chunk of information.
31. (Original) A computer program product that includes a computer readable medium having instructions stored thereon for providing an audibly controlled interface over a network, such that the instructions, when carried out by a computer, cause the computer to perform the steps of:
- accessing an application defining tagged document in response to request received over the network;
  - providing a response suitable for audio output based on the

application defining tagged document and the request;  
receiving at least one key chunk of information over the network  
based on speech input information based on the response; and  
initiating a call service in response to receiving the at least one key  
chunk of information.

32. (Original) The computer program product of claim 31, wherein:  
the step of accessing the application defining tagged document  
comprises accessing an extensible markup language document; and  
the step of providing the response suitable for audio output based  
on the application defining tagged document comprises generating the  
response based on the extensible markup language document.
33. (Original) A method in a browser for providing an audibly controlled user  
interface for requesting call services, the steps comprising:  
receiving input information indicating an initial access to a limited  
communication device over an interface connection capable of two-way  
communication with the limited communication device;  
providing a first request to a web application based on the input  
information;  
providing audio output over the interface connection to the limited  
communication device based on a response document received from the  
web application in response to providing the first request; and  
providing a second request that specifies a call service to the web  
application in response to generating at least one key chunk of information  
based on speech information received over the interface connection in  
response to providing the audio output.

34. (Original) A method in an application server, the steps comprising:
- receiving a first request over a network for a response for a subscriber;
  - accessing profile information for the subscriber from a database;
  - generating a response document having content tags that specify media content and control tags that define playback of the response for the subscriber in an audible form;
  - receiving a second request over the network including at least one key chunk generated based on a speech command provided by the subscriber based on the response document; and
  - initiating a call service based on interpretation of the at least one key chunk relative to the profile information and the response.
35. (Original) The method of claim 34, wherein
- the step of receiving a first request comprises receiving a first hypertext transfer protocol (HTTP) request;
  - the step of accessing profile information comprises accessing profile information from the database based on Internet Protocol (IP);
  - the step of generating a response document comprises generating a hypertext markup language (HTML) document having extensible markup language (XML) tags; and
  - the step of receiving the second request comprises receiving a second HTTP request.
36. (Original) The method of claim 34, wherein the step of initiating a call service comprises initiating an outgoing call to a destination based on interpretation of the at least one key chunk relative to the profile information and the first response.

37. (New) The method of claim 1 wherein the browser is configured to retrieve web-based documentation containing markup language on behalf of multiple user devices; wherein the response document is a web page containing a markup language reference to a sound file; and wherein the step of generating the audio output includes the step of:
- playing the sound file referenced by the markup language reference contained in the web page in order to generate the audio output.
38. (New) The method of claim 37 wherein the step of receiving the speech input includes the step of obtaining an incoming wireless signal from a wireless user device, the wireless signal carrying the speech input; wherein the step of generating the at least one key chunk of information includes the step of parsing the web page to identify the markup language reference to the sound file; and wherein the step of providing the audio output includes the step of transmitting an outgoing wireless signal to the wireless user device, the outgoing wireless signal carrying the audio output.
39. (New) The system of claim 7 wherein the browser is configured to retrieve web-based documentation containing markup language on behalf of multiple user devices; wherein the response document is a web page containing a markup language reference to a sound file; and wherein the audio output includes the sound file referenced by the markup language reference contained in the web page in order to generate the audio output.
40. (New) The system of claim 39 wherein the speech input includes an incoming wireless signal from a wireless user device, the wireless signal carrying the speech input; wherein the at least one key chunk of information includes the web page being having been parsed to identify the markup language reference to the sound file; and wherein the audio

- output includes an outgoing wireless signal to the wireless user device, the outgoing wireless signal carrying the audio output.
41. (New) A method in a browser for providing an audibly controlled user interface for a limited communication device, the steps comprising:
- receiving speech input information including at least one of an input indicating an initial access to the limited communication device over a telephony connection, a command for storing data, a command for retrieving data, and a command for placing an outbound telephony call;
  - generating the at least one key chunk of information by an automatic speech recognition module deriving the at least one key chunk of information from the speech input information;
  - generating an audio output developed from a response document based on the at least one key chunk of information, providing the at least one key chunk of information to a web application and receiving the response document from the web application, the response document developed from an application-defining document accessed in response to the at least one key chunk of information provided to the web application;
  - and
  - providing the audio output over the telephony connection to the limited communication device in response to generating the audio output.
42. (New) A method in a server for providing an audibly controlled user interface for requesting call services over a network, the steps comprising:
- accessing an extensible markup language (XML) document in response to a request received over the network from a proxy browser based on an interface connection between the proxy browser and a limited communication device;
  - providing a response suitable for audio output based on the XML

document and the request;

receiving at least one key chunk of information over the network based on speech input information based on the response;

initiating a call service in response to receiving the at least one key chunk of information;

providing a modified application defining tagged document based on dynamically changing modifiable responses in the application defining tagged document in response to the request; and

receiving a modification input and providing a modified XML document based on dynamically changing modifiable responses in the XML document based on the modification input.